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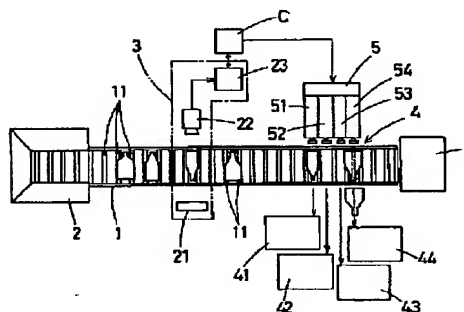
(54) COLOR SORTING APPARATUS OF BOTTLE

(57) Abstract:

PURPOSE: To provide a color sorting apparatus capable of accurately confirming the color of a bottle by eliminating the confirmation error of the color of a bottle caused by the effect of a label.

CONSTITUTION: An apparatus for sorting the colors of bottles having different colors is equipped with a conveyor 1 arranging the mouth parts and bottom parts of bottles so as to cross a feed direction at a right angle and feeding adjacent bottles at a predetermined interval, the color confirming part 3 arranged on the midway part of the conveyor 1 and photographing the mouth parts and bottom parts of the fed bottles to confirm the colors of the bottles and a sorting device 4 sorting the bottles confirmed in the color confirming part 3 to recover them in predetermined bottle recovery parts 41-44. The conveyor 1 is constituted of a slat conveyor.

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- AN** - 1995-288327 [38]
- TI** - Coloured jar selection device for recycling jars - performs segregation of jars based on result from colour recognition part
- AB** - **J07185476** The selection device is used to pick and choose jars of a specified colour alone. A stream of jars are sent at fixed intervals on a conveyor (1). The jars are arranged such that either their base or opening ends contact the surface of the conveyor. A colour recognition part (3) by imaging these bottles individually, determines the colour of the jars in passage.
- Based on the operational reset the colour recognition part, jars of appropriate colours are segregated bottles are sent to appropriate collection units (41-44).
 - **ADVANTAGE** - Recognizes jar colour with high degree of accuracy. Eliminates colour recognition from being influenced by labels attached to the jars.
 - (Dwg.1/6)
- IW** - COLOUR JAR SELECT DEVICE RECYCLE JAR PERFORMANCE SEGREGATE JAR BASED RESULT COLOUR RECOGNISE PART
- PN** - JP7185476 A 19950725 DW199538 B07C5/342 006pp
- IC** - B07C5/342 ;B65G43/08 ;B65G47/50 ;B65G47/84 ;G01J3/46
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